

EASY TO USE

RELIABLE

PRODUCTIVE

EPA COMPLIANT

M•7500

High-
Throughput
Mercury
Analysis
System

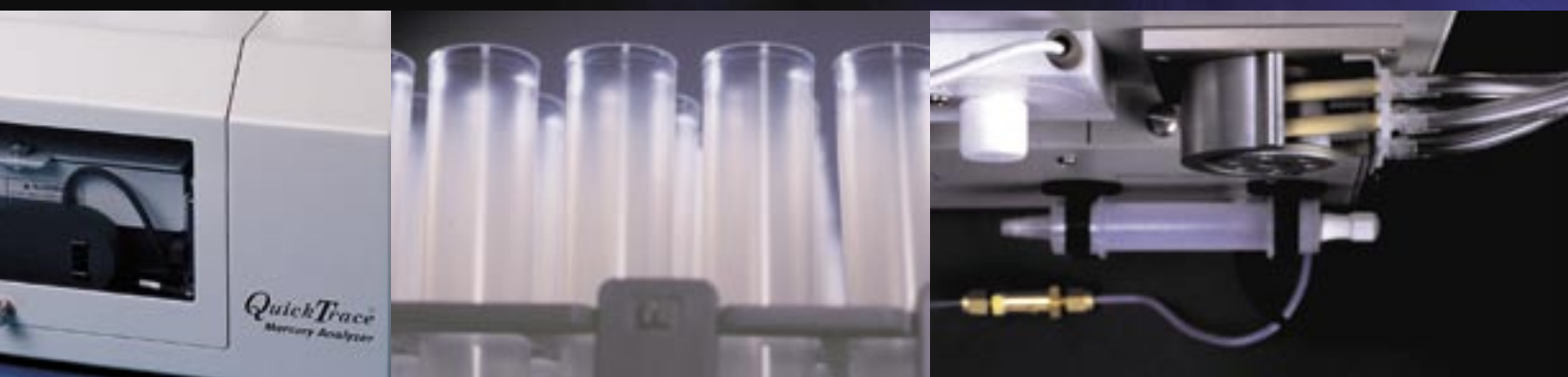


CETAC QuickTrace™ M-7500 Mercury Analyzer

M•7500

Reliable and Easy to Use – These are the two thoughts that most come to mind when users are asked about their experience with the QuickTrace™ M-7500. It is a Cold-Vapor Atomic Absorption (CVAA) instrument and easily meets the requirements of EPA Methods 245.1, SW845-7470, 7471 and 3052.

The M-7500 is excellent for highly productive labs needing a sensitive and stable answer for unattended Mercury analysis. The large autosampler will accommodate the analysis of 360 samples without intervention. The optional autodilutor will automatically dilute samples measured above the highest calibrated standard. When configured for high throughput operation, the system uses less than 1 ml of sample and completes a sample in less than one minute, while easily maintaining normal reporting requirements of 0.2 ppb. By adjusting gas flow and pump speed, the user can lower the sensitivity all the way to 1 ppt.



Technical Specifications

QuickTrace™ M-7500 Mercury Analyzer

Carrier Gas (N ₂ or Ar):	30-350 ml/min
Sample uptake rate:	0-10 ml/min
Gas-liquid separator:	Non-foaming, thin film
Optics:	Double beam, sample and reference cells
Lamp:	Ozone free Hg vapor lamp
	Detectors: Dual, deep well photovoltaic
Detection range:	< 1 ppt – 175 ppb
Power requirements:	100-240 VAC +/- 10% 50 / 60 Hz
Dimensions (HxWxD):	20 x 46 x 60 cm
Weight:	27.2 kg

Computer Requirements (minimum)

Pentium / Celeron 466 MHz processor
128 MB RAM
4.3 GB HD
Microsoft Windows® - NT4, 2000, or XP
One available serial port
One available USB port

ASX-520 Autosampler

Standards Tray Size:	10 standards 4 sample racks
5 rack sizes	90 x 7 ml 60 x 14 ml 40 x 20 ml 24 x 30 ml 21 x 50 ml
Computer interface:	RS-232 or USB
Power requirements:	100 – 240 VAC +/- 10% 50/60 Hz
Dimensions (HxWxD)	53 x 52 x 47 cm (ASX sits atop analyzer)

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